## Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- (Original) A safe for injection, low volume formulation of dantrolene or salts or analogues thereof, for administration to mammals, comprising:
- a medicament which includes dantrolene or one or more salts or analogues thereof: and
- a liquid carrier, said medicament being dissolved or dispersed in said liquid carrier, said medicament being present in a concentration wherein 3 to 150 milliliters of liquid carrier provides approximately 500 milligrams of medicament.
- (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament includes dantrolene in its free acid form.
- 3. (Original) The safe for injection, low volume formulation of claim 1 wherein said medicament includes dantrolene in its salt form wherein a counterion to a dantrolene anion is selected from the group consisting of potassium, sodium, ammonium, calcium and magnesium.
- 4. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament includes dantrolene in its salt form wherein a counterion to a dantrolene anion is selected from the group consisting of benzyltrimethylammonium, tetramethylammonium, N-methylpyridinium, tetrabutylammonium, 2-(2,3-dihydroxy-1-propylamino)-quinolizinium, Safranine O, quinolizinium, quinolizinium, 2-carbamoyl-1-methylpyridinium, 2,3-dimethyl-1-phenyl-4-trimethyl-ammonium-3-pyrazolin-5-one, dimethylammonium-3-pyrazolin-5-one, 2-(1-hydroxy-2-methyl)propyltri-methylammonium, and choline.

- 5. (Original) The safe for injection low volume formulation of claim 1 wherein dantrolene or one or more salts or analogues thereof is the primary modulator of intracellular calcium present in said medicament.
- 6. (Original) The safe for injection, low volume formulation of claim 1 wherein said medicament is present in a concentration where 5 to 30 milliliters of liquid carrier provides approximately 300 milligrams of medicament.
- 7. (Original) The safe for injection, low volume formulation of claim 1 wherein said medicament and said liquid carrier are present together in a colloidal dispersion.
- 8. (Original) The safe for injection, low volume formulation of claim 7 wherein said liquid carrier is selected from the group consisting of water, a water miscible solvent, glycerol, propylene glycol, dimethylacetamide, ethanol, polyethylene glycol, triethyl citrate, triacetin, monothioglycerol, or mixtures thereof.
- (Original) The safe for injection, low volume formulation of claim 8 wherein said polyethylene glycol is selected from the group consisting of PEG 300, PEG 400, and PEG 3350.
- 10. (Original) The safe for injection, low volume formulation of claim 1 wherein said liquid carrier is selected from the group consisting of water, a water miscible solvent, glycerol, propylene glycol, dimethylacetamide, ethanol, polyethylene glycol, triethyl citrate, triacetin, monothioglycerol, or mixtures thereof.
- 11. (Original) The safe for injection, low volume formulation of claim 1 further comprising a surfactant.
- (Original) The safe for injection, low volume formulation of claim 1 further comprising a stabilizer.

- 13. (Original) The safe for injection, low volume formulation of claim 1 wherein said medicament and said liquid carrier are present together in a solution.
- 14. (Original) The safe for injection, low volume formulation of claim 1 wherein said medicament includes crystals of dantrolene or salts or analogues thereof.
- 15. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament includes a sodium channel blocker
- 16. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament includes a calcium channel blocker.
- 17. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament includes an NMDA receptor antagonist.
- 18. (Original) The safe for injection, low volume formulation of claim 1 prepared for safe administration by a route selected from the group consisting of intravenous, intramuscular, intrathecal, intraperitoneal, intraocular, and by extracorporeal fluids or circuits.
- 19. (Original) The safe for injection, low volume formulation of claim 1 wherein at least 95% of particles of medicament in said liquid carrier are no more than 0.8 microns in diameter.
- 20. (Original) The safe for injection, low volume formulation of claim 1 wherein at least 95% of particles of medicament in said liquid carrier are no more than 0.45 microns in diameter.
- 21. (Original) The safe for injection, low volume formulation of claim 1 wherein no particles of medicament in said liquid carrier are more than 2 microns in diameter

- 22. (Original) The safe for injection, low volume formulation of claim 1 comprising no more than 30 milligrams of mannitol per milligram of dantrolene.
- 23. (Original) A dry powder formulation of dantrolene which, upon addition of a liquid carrier, produces a safe for injection, low volume formulation of dantrolene or salts or analogues thereof, for administration to mammals, comprising:
- a medicament which includes dantrolene or salts or analogues thereof which has physical characteristics such that when combined with a liquid carrier forms a solution or suspension with said medicament being present in a concentration wherein 3 to 150 milliliters of liquid carrier provides approximately 500 milligrams of medicament.
- 24. (Original) The dry powder formulation of claim 23 wherein said physical characteristics include a drug particle size of less than 0.8 microns and a surface chemistry that ensures dispersibility.
- 25. (Original) The dry powder formulation of claim 23 comprising no more than 30 milligrams of mannitol per milligram of said dantrolene.
- 26. (Original) The dry powder formulation of claim 23 wherein said medicament includes dantrolene sodium.
- 27. (Withdrawn) The dry powder formulation of claim 23 wherein said medicament includes a sodium channel blocker.
- 28. (Withdrawn) The dry powder formulation of claim 23 wherein said medicament includes a calcium channel blocker.
- 29. (Withdrawn) The dry powder formulation of claim 23 wherein said medicament includes an NMDA antagonist.
- 30-74. (Canceled)

- 75. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament comprises alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor antagonist.
- 76. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament comprises kainite receptor antagonist.
- 77. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament comprises a free radical scavenger.
- 78. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament comprises a protein kinase inhibitor.
- 79-80. (Canceled)
- 81. (Withdrawn) The safe for injection, low volume formulation of claim 1 wherein said medicament comprises a sodium channel blocker.
- 82. (Canceled)
- 83. (Currently amended) A composition comprising dantrolene or a salt of dantrolene medicament with water soluble surfactant, wherein said medicament is present in a particulate form of a size of 2 microns or smaller, and wherein said composition is safe for injection or is reconstitutable with liquid so as to be safe for injection, and wherein less than 5 milliliters of liquid carrier provides approximately 500 milligrams of medicament.
- 84. (Previously presented) The composition of claim 83 wherein the size of over 95% of the particles is 0.8 microns or smaller.
- 85. (Previously presented) The composition of claim 83 wherein said water soluble surfactant has a solubility of 5 mg/ml or greater.

- 86. (Previously presented) The composition of claim 83 further comprising a second medicament different from said dantrolene or salt of dantrolene medicament
- 87. (Previously presented) The composition of claim 83 further comprising a sufficient quantity of liquid so as to permit administration to a patient of a therapeutically sufficient dose of dantrolene using an auto injector.
- 88. (Previously presented) The composition of claim 83 further comprising a quantity of liquid which permits administration of a therapeutic dose of dantrolene by injection of said composition to a patient.
- 89. (Previously presented) The composition of claim 88 wherein said quantity ranges from 3-150 milliliters.
- 90. (Previously presented) The composition of claim 88 wherein said quantity is 10 milliliters or less
- 91. (Previously presented) The composition of claim 88 wherein said quantity is 5 milliliters or less.
- 92. (Canceled)
- 93. (Previously presented) A safe for injection, low volume formulation of dantrolene or salts or analogues thereof, for administration to mammals, comprising:
- a medicament which includes dantrolene or one or more salts or analogues thereof; and
- a liquid carrier, said medicament being dissolved or dispersed in said liquid carrier, said medicament being present in a concentration wherein less than 5 milliliters of liquid carrier provides approximately 500 milligrams of medicament.

94. (Previously presented) A dry powder formulation of dantrolene which, upon addition of liquid carrier, produces a safe for injection, low volume formulation of dantrolene or salts or analogues thereof, for administration to mammals, comprising:

a medicament which includes dantrolene or salts or analogues thereof which has physical characteristics such that when combined with a liquid carrier forms a solution or suspension with said medicament being present in a concentration wherein less than 5 milliliters of liquid carrier provides approximately 500 milligrams of medicament.

- 95. (Previously presented) The safe for injection, low volume formulation of claim 11 wherein the surfactant is a water soluble surfactant.
- 96. (Previously presented) The dry powder formulation of claim 23 further comprising a surfactant.
- 97. (Previously presented) The dry powder formulation of claim 96 wherein the surfactant is a water soluble surfactant.
- 98. (Previously presented) The composition of claim 83 wherein said water soluble surfactant renders the particles dispersible upon the addition of water.
- 99. (Previously presented) A composition consisting essentially of dantrolene or a salt of dantrolene medicament with water soluble surfactant, wherein said medicament is present in a particulate form of a size of 2 microns or smaller.
- 100. (Previously presented) A dispersion comprising dantrolene or a salt of dantrolene medicament stabilized in water using water soluble surfactant wherein said dantrolene or said salt of dantrolene medicament is present in a particulate form of a size of 2 microns or smaller.
- 101. (Previously presented) The composition of claim 83 wherein the water soluble surfactant is selected from the group consisting of benzalkonium chloride,

sodium deoxycholate, myristyl-gamma-picolinium chloride, Polaxamer 188 (Pluronic F-68), Pluronic F-127, polyoxyl castor oil and related PEGylated castor oil derivatives, sorbitan monopalmitate, Pluronic 123, polysorbate, and sodium 2-ethylhexanoic acid.

- 102. (Previously presented) The composition of claim 83 wherein the dantrolene or salt of dantrolene medicament is sodium dantrolene.
- 103. (Previously presented) A method for preparing a safe for injection, low volume formulation of dantrolene or salts or analogues thereof, comprising the step of combining a medicament which includes dantrolene or one or more salts or analogues thereof with a liquid carrier and dissolving or dispersing said medicament in said liquid carrier, said medicament being present in a concentration wherein 3 to 150 milliliters of liquid carrier provides approximately 500 milligrams of medicament, said combining step being performed according to one or more of the following: (a) by a single person, (b) by hand shaking, (c) in a single vial or svringe, and (d) in one minute or less.
- 104. (Previously Presented) A method for preparing a safe for injection, low volume formulation of dantrolene or salts or analogues thereof, comprising the step of combining a medicament which includes dantrolene or one or more salts or analogues thereof with 3 to 150 milliters of a liquid carrier and dissolving or dispersing said medicament in said liquid carrier, said medicament being present in a concentration wherein 3 to 150 milliliters of liquid carrier provides approximately 500 milligrams of medicament.
- 105. (Previously presented) The method of claim 104 wherein said combining step is performed according to one or more of the following: (a) by a single person, (b) by hand shaking, (c) in a single vial or syringe, and (d) in one minute or less.

106. (New) The safe for injection, low volume formulation of claim 1 comprising a dose of 250 - 300mg dantrolene sodium and which can be safely administered to a human by a single bolus injection in less than one minute.

107. (New) The safe for injection, low volume formulation of claim 106 comprising a dose of 250 mg of dantrolene sodium.

108. (New) The dry powder formulation of claim 23 present in a single vial to be reconstituted in said vial with 10 ml or less sterile water into a suspension which is safe for injection and which has a concentration of sodium dantrolene of 30 to 80 mg/ml.

109. (New) The dry powder formulation of claim 108 which after reconstitution can be safely administered to a human by a single bolus injection in less than one minute.

110. (New) The safe for injection, low volume formulation of claim 1 wherein said medicament is present at 50 mg/ml.

111. (New) The dry powder formulation of claim 23 wherein the medicament on being combined with liquid carrier is present at 50 mg/ml.